

Patent Abstracts of Japan

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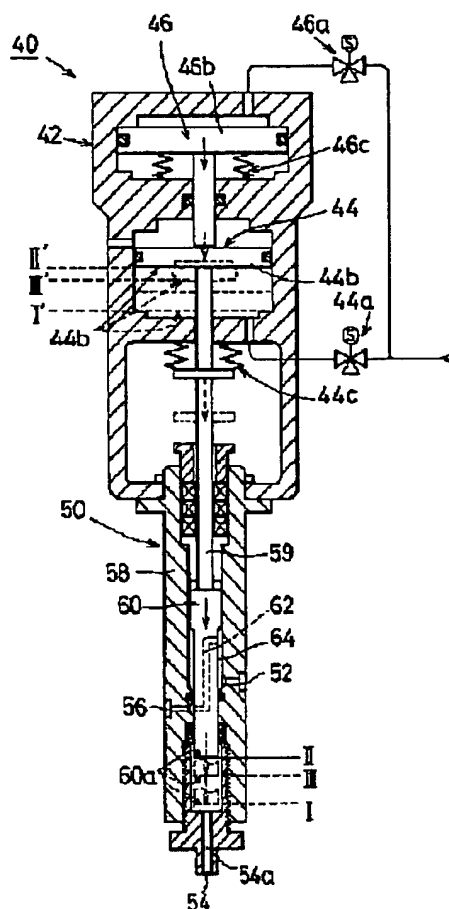
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TITLE : THREE WAY PORT PNEUMATIC OPERATION VALVE



ABSTRACT : PURPOSE: To provide a selection type three way port pneumatic operation valve capable of miniaturizing the sample water supplying means, etc., of a sample water sampling device and forming it at a low cost.

CONSTITUTION: A three way port valve 50 is formed by a valve body 58 having an entrance 52, first and second exits 54 and 56 and a disc 60 for operating between three operating positions I, II and III through a stem. The entrance 52 is isolated from both exits 54 and 56 at the position I and it is communicated with the exit 56 at the position II and it is communicated with the exit 54 at the position III when the disc is actuated. An actuator 42 includes the first operation part 44 of a small aperture piston 44b for actuating the disc 60 and the second operation part 46 of a large aperture piston 46b for actuating the first operation part 44. The operating position of the small aperture piston 44b for regulating the operating positions I, II and III is set to a position I' when the control part 44 is not operated and it is set to a position II' when the control part 44 is operated and it is set to a position III' when the control parts 44 and 46 are operated at the same time.

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